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NEWS 8 Apr 22 Federal Research in Progress (FEDRIP) now available
NEWS 9 Jun 03 New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10 PCTFULL has been reloaded
NEWS 12 Jul 02 FOREGE no longer contains STANDARDS file segment
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saved answer sets no longer valid
NEWS 14 Jul 29 Enhanced polymer searching in REGISTRY
NEWS 15 Jul 30 NETFIRST to be removed from STN
NEWS 16 Aug 08 CANCERLIT reload
NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
now available on STN
NEWS 20 Aug 19 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21 Aug 19 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22 Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23 Sep 03 JAPIO has been reloaded and enhanced
NEWS 24 Sep 16 Experimental properties added to the REGISTRY file
NEWS 25 Sep 16 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26 Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS 27 Oct 01 CASREACT Enriched with Reactions from 1907 to 1985

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=> s apoplasmic(w)invertase(w)inhibitor
L1 6 APOPLASMIC(W) INVERTASE(W) INHIBITOR

=> duplicate remove l1
DUPLICATE PREFERENCE IS 'AGRICOLA, BIOSIS, CAPLUS'
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L2 2 DUPLICATE REMOVE L1 (4 DUPLICATES REMOVED)

=> d l2 1-2

L2 ANSWER 1 OF 2 AGRICOLA DUPLICATE 1
AN 1998:77788 AGRICOLA
DN IND21644797
TI Cloning of a tobacco **apoplasmic invertase inhibitor**. Proof of function of the recombinant protein and expression analysis during plant development.
AU Greiner, S.; Krausgrill, S.; Rausch, T.
CS Botanisches Institut, Heidelberg, Germany.
AV DNAL (450 P692)
SO Plant physiology, Feb 1998. Vol. 116, No. 2. p. 733-742
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889
NTE Includes references
CY Maryland; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L2 ANSWER 2 OF 2 AGRICOLA DUPLICATE 2
AN 1998:61574 AGRICOLA
DN IND21239782
TI In transformed tobacco cells the **apoplasmic invertase inhibitor** operates as a regulatory switch of cell wall invertase.
AU Krausgrill, S.; Greiner, S.; Koster, U.; Vogel, R.; Rausch, T.
AV DNAL (QK710.P68)
SO The Plant journal : for cell and molecular biology, Jan 1998. Vol. 13, No. 2. p. 275-280
Publisher: Oxford : Blackwell Sciences Ltd.
ISSN: 0960-7412
NTE Includes references
CY England; United Kingdom
DT Article
FS Non-U.S. Imprint other than FAO
LA English

=> s invertase(w)inhibitor
L3 126 INVERTASE(W) INHIBITOR

=> s invertase(w)inhibitor and cell(w)wall
L4 24 INVERTASE(W) INHIBITOR AND CELL(W) WALL

=> s 14 and plant
L5 20 L4 AND PLANT

=> duplicate remove 15
DUPLICATE PREFERENCE IS 'AGRICOLA, BIOSIS, EMBASE, CAPLUS'
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n
PROCESSING COMPLETED FOR L5
L6 10 DUPLICATE REMOVE L5 (10 DUPLICATES REMOVED)

=> d 16 1-10

L6 ANSWER 1 OF 10 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1
AN 2002138033 EMBASE
TI An invertase inhibitory protein from Pteris deflexa link fronds.
AU Sayago J.E.; Vattuone M.A.; Sampietro A.R.; Isla M.I.
CS Dr. M.A. Vattuone, Catedra de Fitoquimica, Instituto de Estudios Vegetales, Universidad Nacional Tucuman, Ayacucho 461, 4000 San Miguel de Tucuman, Argentina. fitoqui@unt.edu.ar
SO Journal of Enzyme Inhibition, (2001) 16/6 (517-525).
Refs: 38
ISSN: 8755-5093 CODEN: ENINEG
CY United Kingdom
DT Journal; Article
FS 029 Clinical Biochemistry
LA English
SL English

L6 ANSWER 2 OF 10 AGRICOLA DUPLICATE 2
AN 2000:73165 AGRICOLA
DN IND22074018
TI **Plant invertase inhibitors:** expression in cell culture and during plant development.
AU Greiner, S.; Koster, U.; Lauer, K.; Rosenkranz, H.; Vogel, R.; Rausch, T.
AV DNAL (QK710.A9)
SO Australian journal of plant physiology, 2000. Vol. 27, No. 8/9. p. 807-814
Publisher: Collingwood, Vic. : CSIRO Publishing.
CODEN: AJPPCH; ISSN: 0310-7841
Gov. Source: Federal
NTE In the special issue: Assimilate transport and partitioning 2 / edited by L.W. Martinelli. Paper presented at a conference held August 1999, Newcastle, New South Wales, Australia.
Includes references
CY Australia
DT Article
FS Non-U.S. Imprint other than FAO
LA English

L6 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2002 ACS
AN 2000:813688 CAPLUS
DN 134:111906
TI Invertase proteinaceous inhibitor of Cyphomandra betacea Sendt fruits
AU Ordonez, R. M.; Isla, M. I.; Vattuone, M. A.; Sampietro, A. R.
CS Catedra de Fitoquimica, Instituto de Estudios Vegetales "Dr. Antonio R. Sampietro", Facultad de Bioquimica, Quimica y Farmacia, Universidad Nacional de Tucuman, San Miguel de Tucuman, 4000, Argent.
SO Journal of Enzyme Inhibition (2000), 15(6), 583-596
CODEN: ENINEG; ISSN: 8755-5093
PB Harwood Academic Publishers
DT Journal
LA English
RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 10 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.

AN 1999237246 EMBASE
TI Ectopic expression of a tobacco **invertase inhibitor**
homolog prevents cold-induced sweetening of potato tubers.
AU Greiner S.; Rausch T.; Sonnewald U.; Herbers K.
CS T. Rausch, Botanisches Institut, INF 360, D-69120-Heidelberg, Germany.
trausch@botanik1.bot.uni-heidelberg.de
SO Nature Biotechnology, (1999) 17/7 (708-711).
Refs: 20
ISSN: 1087-0156 CODEN: NABIF
CY United States
DT Journal; Article
FS 029 Clinical Biochemistry
LA English
SL English

L6 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2002 ACS
AN 1998:106035 CAPLUS
DN 128:177571
TI Endogenous inhibitor of invertases of tobacco and tomato and their use in
the control of carbohydrate loss from vegetables in storage
IN Rausch, Thomas; Krausgrill, Silke; Greiner, Steffen
PA Universitat Heidelberg, Germany; Rausch, Thomas; Krausgrill, Silke;
Greiner, Steffen
SO PCT Int. Appl., 42 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9804722	A1	19980205	WO 1997-EP4153	19970730
	W: CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	DE 19630738	A1	19980205	DE 1996-19630738	19960730
	EP 956357	A1	19991117	EP 1997-935555	19970730
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE				
	JP 2000515755	T2	20001128	JP 1998-508521	19970730
	US 6384300	B1	20020507	US 1999-230670	19990405
PRAI	DE 1996-19630738	A	19960730		
	DE 1996-19641302	A	19961007		
	WO 1997-EP4153	W	19970730		

L6 ANSWER 6 OF 10 AGRICOLA
AN 1998:77788 AGRICOLA
DN IND21644797
TI Cloning of a tobacco apoplasmic **invertase inhibitor**.
Proof of function of the recombinant protein and expression analysis
during **plant** development.
AU Greiner, S.; Krausgrill, S.; Rausch, T.
CS Botanisches Institut, Heidelberg, Germany.
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SO Plant physiology, Feb 1998. Vol. 116, No. 2. p. 733-742
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889
NTE Includes references
CY Maryland; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L6 ANSWER 7 OF 10 AGRICOLA
AN 1998:61574 AGRICOLA
DN IND21239782
TI In transformed tobacco cells the apoplasmic **invertase**

DUPLICATE 3

DUPLICATE 4

inhibitor operates as a regulatory switch of cell
wall invertase.

AU Krausgrill, S.; Greiner, S.; Koster, U.; Vogel, R.; Rausch, T.
AV DNAL (QK710.P68)
SO The Plant journal : for cell and molecular biology, Jan 1998. Vol. 13, No.
2. p. 275-280
Publisher: Oxford : Blackwell Sciences Ltd.
ISSN: 0960-7412
NTE Includes references
CY England; United Kingdom
DT Article
FS Non-U.S. Imprint other than FAO
LA English

L6 ANSWER 8 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
AN 1997:380695 BIOSIS

DN PREV199799679898
TI Cloning of a novel class of cell wall invertase
binding proteins: Invertase inhibitors or regulatory
subunits.

AU Greiner, S. (1); Krausgrill, S. (1); Herbers, K.; Sonnewald, U.; Rausch,
T. (1)

CS (1) Bot. Inst., INF 360, D-69120 Heidelberg Germany
SO Plant Physiology (Rockville), (1997) Vol. 114, No. 3 SUPPL., pp. 82.
Meeting Info.: PLANT BIOLOGY '97: 1997 Annual Meetings of the American
Society of Plant Physiologists and the Canadian Society of Plant
Physiologists, Japanese Society of Plant Physiologists and the Australian
Society of Plant Physiologists Vancouver, British Columbia, Canada August
2-6, 1997
ISSN: 0032-0889.

DT Conference; Abstract; Conference
LA English

L6 ANSWER 9 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
5

AN 1996:274562 BIOSIS
DN PREV199698830691
TI Sucrose protects cell wall invertase but not vacuolar
invertase against proteinaceous inhibitors.

AU Sander, Andreas; Krausgrill, Silke; Greiner, Steffen; Weil, Marion;
Rausch, Thomas (1)
CS (1) Bot. Inst., Ruprecht-Karls-Univ., Im Neuenheimer Feld 360, D-69120
Heidelberg Germany

SO FEBS Letters, (1996) Vol. 385, No. 3, pp. 171-175.
ISSN: 0014-5793.

DT Article
LA English

L6 ANSWER 10 OF 10 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
6

AN 1988:8937 BIOSIS
DN BA85:8937
TI ENDOGENOUS INHIBITOR OF INVERTASE IN SUGAR BEET ROOT ONTOGENY.

AU BURAKHANOVA E A; DUBININA I M; KUDRYAVTSEVA L F
CS K.A. TIMIRYAZEV INST. PLANT PHYSIOL., ACAD. SCI. USSR, MOSCOW, USSR.
SO FIZIOL RAST (MOSC), (1987) 34 (2), 292-300.
CODEN: FZRSBV. ISSN: 0015-3303.

FS BA; OLD
LA Russian

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